

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A method for evaluating the biological activity of a specific binding substance on living cells by means of a surface plasmon resonance analyzer, which comprises:

- immobilizing the living cells on a surface plasmon resonance analyzer;
- applying a flow of the specific binding substance to the living cells;
- continuously measuring a primary signal, which appears upon application of the flow, and measuring a secondary signal, which appears after elimination of the flow; and
- evaluating the biological activity of the specific binding substance on the cells by indication of the secondary signal, which comprises a further increase or periodical change from ~~a baseline~~the signal level measured ~~from~~at the end of the primary signal.

2. (Canceled)